ELSEVIER

Hearing Research 86 (1995) 205–206

HEARING RESEARCH

Author Index

Adler, H.J., Niemiec, A.J., Moody, D.B. and Raphael, Y.
Tectorial membrane regeneration in acoustically damaged birds: An immunocytochemical technique (86) 43
Altschuler, R.A., see Lesperance, M.M. (86) 77
Alvarez, I.M., see Yao, X. (86) 183

Barbara, M. and Modesti, A.
Nerve fibres of the endolymphatic sac: Electronmicroscopic findings in the Mongolian gerbil (86) 63
Berg, D.M., see Trune, D.R. (86) 163
Blakley, B.W., see Church, M.W. (86) 195
Blythe, W.R., see Harper, A. (86) 171
Bobbin, R.P., see Chen, C. (86) 25
Brown, J.N., Miller, J.M. and Nuttall, A.L.
Age-related changes in cochlear vascular conductance in mice (86) 189
Brückner, S. and Rübsamen, R.
Binaural response characteristics in isofrequency sheets of the gerbil inferior colliculus (86) 1
Buhi, W.C., see Yao, X. (86) 183
Burgio, D.L., see Church, M.W. (86) 195

Chen, C., Nenov, A., Norris, C.H. and Bobbin, R.P.
ATP modulation of L-type calcium channel currents in guinea pig outer hair cells (86) 25
Church, M.W., Kaltenbach, J.A., Blakley, B.W. and Burgio, D.L.
The comparative effects of sodium thiosulfate, diethyldithiocarbamate, fosfomycin and WR-2721 on ameliorating cisplatin-induced ototoxicity (86) 195
Cinotti, L., see Truy, E. (86) 34
Clark, W.W., see Park, J.Y. (86) 147
Coticchia, J.M., see Park, J.Y. (86) 147
Curtis, L.M., see Yao, X. (86) 183

DeGagne, J.M., see Trune, D.R. (86) 163
Deiber, M.-P., see Truy, E. (86) 34

Esselman, G.H., see Park, J.Y. (86) 147

Fredrickson, J.M., see Park, J.Y. (86) 147
Froment, J.-C., see Truy, E. (86) 34
Fukazawa, K., Sakagami, M., Umemoto, M. and Kubo, T.
Endocytosis and transepithelial transport of endolymph in the endolymphatic sac (86) 82

Geisler, C.D. and Sang, C.
A cochlear model using feed-forward outer-hair-cell forces (86) 132
Grossman, G., see Harper, A. (86) 171

Harper, A., Blythe, W.R., Grossman, G., Petrusz, P., Prazma, J. and Pillsbury, H.C.
Immunocytochemical localization of aspartate and glutamate in the peripheral vestibular system (86) 171
Helfert, R.H., see Lesperance, M.M. (86) 77
Henson, Jr., O.W., Xie, D.H., Keating, A.W. and Henson, M.M.
The effect of contralateral stimulation on cochlear resonance and damping in the mustached bat: the role of the medial efferent system (86) 111
Henson, M.M., see Henson, Jr., O.W. (86) 111
Hozawa, K., see Suzuki, M. (86) 68

Ikeda, K., see Suzuki, M. (86) 68

Jüngling, S., see Knipper, M. (86) 100

Kaltenbach, J.A., see Church, M.W. (86) 195
Katori, Y., see Suzuki, M. (86) 68
Keating, A.W., see Henson, Jr., O.W. (86) 111
Kettembeil, S., Manley, G.A. and Siegl, E.
Distortion-product otoacoustic emissions and their anaesthesia sensitivity in the European Starling and the chicken (86) 47
Knipper, M., Zimmermann, U., Köpschall, I., Rohbock, K., Jüngling, S. and Zenner, H.P.
Immunological identification of candidate proteins involved in regulating active shape changes of outer hair cells (86) 100
Köpschall, I., see Knipper, M. (86) 100
Kubo, T., see Fukazawa, K. (86) 82
Kusakari, C., see Suzuki, M. (86) 68

Lautermann, J., McLaren, J. and Schacht, J.
Glutathione protection against gentamicin ototoxicity depends on nutritional status (86) 15
Lesperance, M.M., Helfert, R.H. and Altschuler, R.A.
Deafness induced cell size changes in rostral AVCN of the guinea pig (86) 77
Löhle, E., see Spatz, W.B. (86) 89

Manley, G.A., see Kettembeil, S. (86) 47
Mauguière, F., see Truy, E. (86) 34
McLaren, J., see Lautermann, J. (86) 15
Miller, J.M., see Brown, J.N. (86) 189
Modesti, A., see Barbara, M. (86) 63
Moody, D.B., see Adler, H.J. (86) 43
Morgon, A., see Truy, E. (86) 34

Nenov, A., see Chen, C. (86) 25
Niemiec, A.J., see Adler, H.J. (86) 43
Norris, C.H., see Chen, C. (86) 25
Nuttall, A.L., see Brown, J.N. (86) 189

Ogata, Y. and Slepecky, N.B.
Immunocytochemical comparison of posttranslationally modified forms of tubulin in the vestibular end-organs of the gerbil: tyrosinated, acetylated and polyglutamylated tubulin (86) 125

Park, J.Y., Clark, W.W., Coticchia, J.M., Esselman, G.H. and Fredrickson, J.M.
Distortion product otoacoustic emissions in rhesus (*Macaca mulatta*) monkey ears: Normative findings (86) 147
Petrusz, P., see Harper, A. (86) 171
Pillsbury, H.C., see Harper, A. (86) 171
Prazma, J., see Harper, A. (86) 171

Raphael, Y., see Adler, H.J. (86) 43
Rarey, K.E., see Yao, X. (86) 183
Rohbock, K., see Knipper, M. (86) 100
Rübsamen, R., see Brückner, S. (86) 1

Sakagami, M., see Fukazawa, K. (86) 82
Sang, C., see Geisler, C.D. (86) 132
Schacht, J., see Lautermann, J. (86) 15
Siegl, E., see Kettembeil, S. (86) 47
Slepecky, N.B., see Ogata, Y. (86) 125
Spatz, W.B. and Löhle, E.
Calcium-binding proteins in the spiral ganglion of the monkey, *Callithrix jacchus* (86) 89
Sunose, H., see Suzuki, M. (86) 68
Suzuki, M., Ikeda, K., Sunose, H., Hozawa, K., Kusakari, C., Katori, Y. and Takasaka, T.
ATP-induced increase in intracellular Ca^{2+} concentration in the cultured marginal cell of the stria vascularis of guinea-pigs (86) 68

Takasaka, T., see Suzuki, M. (86) 68
Trune, D.R., Berg, D.M. and DeGagne, J.M.
Computerized digital photography in auditory research: a comparison of publication-quality digital printers with traditional darkroom methods (86) 163
Truy, E., Deiber, M.-P., Cinotti, L., Mauguière, F., Froment, J.-C. and Morgon, A.
Auditory cortex activity changes in long-term sensorineural deprivation during crude cochlear electrical stimulation: Evaluation by positron emission tomography (86) 34

Umemoto, M., see Fukazawa, K. (86) 82

Xie, D.H., see Henson, Jr., O.W. (86) 111

Yao, X., Buhi, W.C., Alvarez, I.M., Curtis, L.M. and Rarey, K.E.
De novo synthesis of glucocorticoid hormone regulated inner ear proteins in rats (86) 183

Zenner, H.P., see Knipper, M. (86) 100
Zimmermann, U., see Knipper, M. (86) 100

ELSEVIER

Hearing Research 86 (1995) 207–210

HEARING RESEARCH

Subject Index

Acetylated tubulin
Post-translational modification; Tyrosinated tubulin; Polyglutamylated tubulin; Microtubule; Vestibular end-organ (Ogata, Y. (86) 125)

Acid phosphatase
Endolymphatic sac; Cationized ferritin; Endocytosis; Transepithelial transport (Fukazawa, K. (86) 82)

Acoustic overstimulation
Chick; Quail; Basilar papilla; Regeneration; Tectorial membrane (Adler, H.J. (86) 43)

Activation
Long-term deafness; Crude electrical cochlear stimulation; Positron emission tomography; Auditory cortex (Truy, E. (86) 34)

Active model
Cochlear vibrations; Outer hair cell; Cochlear amplifier (Geisler, C.D. (86) 132)

Animal model
Distortion product otoacoustic emissions; Rhesus monkey; Normative data (Park, J.Y. (86) 147)

Anion exchanger
Outer hair cell; Motility; Protein 4.1; Spectrin; Ankyrin (Knipper, M. (86) 100)

Ankyrin
Outer hair cell; Motility; Anion exchanger; Protein 4.1; Spectrin (Knipper, M. (86) 100)

Aspartate
Glutamate; Vestibular hair cells; Neurotransmission (Harper, A. (86) 171)

ATP
Marginal cell; Cell culture; Na^+/K^+ATPase; Intracellular Ca^{2+} concentration (Suzuki, M. (86) 68)

Auditory
Plasticity; Cochlear nucleus; Deafness; Cell size (Lesperance, M.M. (86) 77)

Auditory brainstem response (ABR)
Cancer therapy; Chemo-protection; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Hamster; Neuropathy; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Auditory cortex
Long-term deafness; Crude electrical cochlear stimulation; Positron emission tomography; Activation (Truy, E. (86) 34)

Basilar papilla
Chick; Quail; Acoustic overstimulation; Regeneration; Tectorial membrane (Adler, H.J. (86) 43)

Binaural responses
Inferior colliculus; Convergence; Isofrequency sheets; *Meriones unguiculatus* (Brückner, S. (86) 1)

Bird hearing
Distortion-product emission; DPOAE; Otoacoustic emission (Kettembeil, S. (86) 47)

Calbindin
Marmoset; Postnatal development; Calretinin; Parvalbumin; Immunohistochemistry (Spatz, W.B. (86) 89)

Calretinin
Marmoset; Postnatal development; Calbindin; Parvalbumin; Immunohistochemistry (Spatz, W.B. (86) 89)

Cancer therapy
Auditory brainstem response (ABR); Chemo-protection; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Hamster; Neuropathy; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Cationized ferritin
Endolymphatic sac; Endocytosis; Transepithelial transport; Acid phosphatase (Fukazawa, K. (86) 82)

Cell culture
Marginal cell; Na^+/K^+ATPase; Intracellular Ca^{2+} concentration; ATP (Suzuki, M. (86) 68)

Cell size
Plasticity; Cochlear nucleus; Auditory; Deafness (Lesperance, M.M. (86) 77)

Chemo-protection
Auditory brainstem response (ABR); Cancer therapy; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Hamster; Neuropathy; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Chick
Quail; Basilar papilla; Acoustic overstimulation; Regeneration; Tectorial membrane (Adler, H.J. (86) 43)

Cisplatin
Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Diethyldithiocarbamate; Fosfomycin; Hamster; Neuropathy; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Cochlea
Ion channel; Voltage-clamp; Dihydropyridine (Chen, C. (86) 25)

2D-SDS-PAGE; Glucocorticoids; Proteins; Rat (Yao, X. (86) 183)

Cochlear amplifier
Cochlear vibrations; Outer hair cell; Active model (Geisler, C.D. (86) 132)

Cochlear microphonic
Resonance; Efferent; Olivocochlear; Mustached bat (Henson, Jr., O.W. (86) 111)

Cochlear nucleus
Plasticity; Auditory; Deafness; Cell size (Lesperance, M.M. (86) 77)

Cochlear vibrations
Outer hair cell; Active model; Cochlear amplifier (Geisler, C.D. (86) 132)

Computerized image processing
Ear; Digital photography; Dye sublimation printers (Trune, D.R. (86) 163)

Convergence
Inferior colliculus; Binaural responses; Isofrequency sheets; *Meriones unguiculatus* (Brückner, S. (86) 1)

Crude electrical cochlear stimulation
Long-term deafness; Positron emission tomography; Auditory cortex; Activation (Truy, E. (86) 34)

Deafness
Plasticity; Cochlear nucleus; Auditory; Cell size (Lesperance, M.M. (86) 77)

Diet
Gentamicin; Ototoxicity; Glutathione; Protection (Lautermann, J. (86) 15)

Diethyldithiocarbamate
Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Cisplatin; Fosfomycin; Hamster; Neuropathy; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Digital photography
Ear; Dye sublimation printers; Computerized image processing (Trune, D.R. (86) 163)

Dihydropyridine
Ion channel; Voltage-clamp; Cochlea (Chen, C. (86) 25)

Distortion-product emission
DPOAE; Otoacoustic emission; Bird hearing (Kettembeil, S. (86) 47)

Distortion product otoacoustic emissions
Rhesus monkey; Normative data; Animal model (Park, J.Y. (86) 147)

DPOAE
Distortion-product emission; Otoacoustic emission; Bird hearing (Kettembeil, S. (86) 47)

Dye sublimation printers
Ear; Digital photography; Computerized image processing (Trune, D.R. (86) 163)

Ear
Digital photography; Dye sublimation printers; Computerized image processing (Trune, D.R. (86) 163)

Efferent
Cochlear microphonic; Resonance; Olivocochlear; Mustached bat (Henson, Jr., O.W. (86) 111)

Endocytosis
Endolymphatic sac; Cationized ferritin; Transepithelial transport; Acid phosphatase (Fukazawa, K. (86) 82)

Endolymphatic sac
Nerve fibres; Transmission electron microscopy; Mongolian gerbil (Barbara, M. (86) 63)

Cationized ferritin; Endocytosis; Transepithelial transport; Acid phosphatase (Fukazawa, K. (86) 82)

Fosfomycin
Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Cisplatin; Diethyldithiocarbamate; Hamster; Neuropathy; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Gentamicin
Ototoxicity; Diet; Glutathione; Protection (Lautermann, J. (86) 15)

Glucocorticoids
Cochlea; 2D-SDS-PAGE; Proteins; Rat (Yao, X. (86) 183)

Glutamate
Aspartate; Vestibular hair cells; Neurotransmission (Harper, A. (86) 171)

Glutathione
Gentamicin; Ototoxicity; Diet; Protection (Lautermann, J. (86) 15)

Hamster
Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Neuropathy; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Immunohistochemistry
Marmoset; Postnatal development; Calbindin; Calretinin; Parvalbumin (Spatz, W.B. (86) 89)

Inferior colliculus
Binaural responses; Convergence; Isofrequency sheets; *Meriones unguiculatus* (Brückner, S. (86) 1)

Intracellular Ca^{2+} concentration
Marginal cell; Cell culture; Na^+/K^+ ATPase; ATP (Suzuki, M. (86) 68)

Ion channel
Voltage-clamp; Dihydropyridine; Cochlea (Chen, C. (86) 25)

Isofrequency sheets
Inferior colliculus; Binaural responses; Convergence; *Meriones unguiculatus* (Brückner, S. (86) 1)

Laser Doppler flowmetry
Presbycusis; Sodium nitroprusside (Brown, J.N. (86) 189)

Long-term deafness
Crude electrical cochlear stimulation; Positron emission tomography; Auditory cortex; Activation (Truy, E. (86) 34)

Marginal cell
Cell culture; Na^+/K^+ ATPase; Intracellular Ca^{2+} concentration; ATP (Suzuki, M. (86) 68)

Marmoset
Postnatal development; Calbindin; Calretinin; Parvalbumin; Immunohistochemistry (Spatz, W.B. (86) 89)

Meriones unguiculatus
Inferior colliculus; Binaural responses; Convergence; Isofrequency sheets (Brückner, S. (86) 1)

Microtubule
Post-translational modification; Acetylated tubulin; Tyrosinated tubulin; Polyglutamylated tubulin; Vestibular end-organ (Ogata, Y. (86) 125)

Mongolian gerbil
Nerve fibres; Endolymphatic sac; Transmission electron microscopy (Barbara, M. (86) 63)

Motility
Outer hair cell; Anion exchanger; Protein 4.1; Spectrin; Ankyrin (Knipper, M. (86) 100)

Mustached bat
Cochlear microphonic; Resonance; Efferent; Olivocochlear (Henson, Jr., O.W. (86) 111)

Na^+/K^+ATPase
Marginal cell; Cell culture; Intracellular Ca^{2+} concentration; ATP (Suzuki, M. (86) 68)

Nerve fibres
Endolymphatic sac; Transmission electron microscopy; Mongolian gerbil (Barbara, M. (86) 63)

Neuropathy
Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Hamster; Ototoxicity; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Neurotransmission
Aspartate; Glutamate; Vestibular hair cells (Harper, A. (86) 171)

Normative data
Distortion product otoacoustic emissions; Rhesus monkey; Animal model (Park, J.Y. (86) 147)

Olivocochlear
Cochlear microphonic; Resonance; Efferent; Mustached bat (Henson, Jr., O.W. (86) 111)

Otoacoustic emission
Distortion-product emission; DPOAE; Bird hearing (Kettembeil, S. (86) 47)

Ototoxicity
Gentamicin; Diet; Glutathione; Protection (Lautermann, J. (86) 15)

Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Hamster; Neuropathy; Sodium thiosulfate; WR-2721 (Church, M.W. (86) 195)

Outer hair cell
Motility; Anion exchanger; Protein 4.1; Spectrin; Ankyrin (Knipper, M. (86) 100)

Cochlear vibrations; Active model; Cochlear amplifier (Geisler, C.D. (86) 132)

Parvalbumin
Marmoset; Postnatal development; Calbindin; Calretinin; Immunohistochemistry (Spatz, W.B. (86) 89)

Plasticity
Cochlear nucleus; Auditory; Deafness; Cell size (Lesperance, M.M. (86) 77)

Polyglutamylated tubulin
Post-translational modification; Acetylated tubulin; Tyrosinated tubulin; Microtubule; Vestibular end-organ (Ogata, Y. (86) 125)

Positron emission tomography
Long-term deafness; Crude electrical cochlear stimulation; Auditory cortex; Activation (Truy, E. (86) 34)

Postnatal development
Marmoset; Calbindin; Calretinin; Parvalbumin; Immunohistochemistry (Spatz, W.B. (86) 89)

Post-translational modification
Acetylated tubulin; Tyrosinated tubulin; Polyglutamylated tubulin; Microtubule; Vestibular end-organ (Ogata, Y. (86) 125)

Presbycusis
Laser Doppler flowmetry; Sodium nitroprusside (Brown, J.N. (86) 189)

Protection
Gentamicin; Ototoxicity; Diet; Glutathione (Lautermann, J. (86) 15)

Protein 4.1
Outer hair cell; Motility; Anion exchanger; Spectrin; Ankyrin (Knipper, M. (86) 100)

Proteins
Cochlea; 2D-SDS-PAGE; Glucocorticoids; Rat (Yao, X. (86) 183)

Quail
Chick; Basilar papilla; Acoustic overstimulation; Regeneration; Tectorial membrane (Adler, H.J. (86) 43)

Rat
Cochlea; 2D-SDS-PAGE; Glucocorticoids; Proteins (Yao, X. (86) 183)

Regeneration
Chick; Quail; Basilar papilla; Acoustic overstimulation; Tectorial membrane (Adler, H.J. (86) 43)

Resonance
Cochlear microphonic; Efferent; Olivocochlear; Mustached bat (Henson, Jr., O.W. (86) 111)

Rhesus monkey
Distortion product otoacoustic emissions; Normative data; Animal model (Park, J.Y. (86) 147)

2D-SDS-PAGE
Cochlea; Glucocorticoids; Proteins; Rat (Yao, X. (86) 183)

Sodium nitroprusside
Laser Doppler flowmetry; Presbycusis (Brown, J.N. (86) 189)

Sodium thiosulfate
Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Hamster; Neuropathy; Ototoxicity; WR-2721 (Church, M.W. (86) 195)

Spectrin
Outer hair cell; Motility; Anion exchanger; Protein 4.1; Ankyrin (Knipper, M. (86) 100)

Tectorial membrane
Chick; Quail; Basilar papilla; Acoustic overstimulation; Regeneration (Adler, H.J. (86) 43)

Transepithelial transport
Endolymphatic sac; Cationized ferritin; Endocytosis; Acid phosphatase (Fukazawa, K. (86) 82)

Transmission electron microscopy
Nerve fibres; Endolymphatic sac; Mongolian gerbil (Barbara, M. (86) 63)

Tyrosinated tubulin
Post-translational modification; Acetylated tubulin; Polyglutamylated tubulin; Microtubule; Vestibular end-organ (Ogata, Y. (86) 125)

Vestibular end-organ
Post-translational modification; Acetylated tubulin; Tyrosinated tubulin; Polyglutamylated tubulin; Microtubule (Ogata, Y. (86) 125)

Vestibular hair cells
Aspartate; Glutamate; Neurotransmission (Harper, A. (86) 171)

Voltage-clamp
Ion channel; Dihydropyridine; Cochlea (Chen, C. (86) 25)

WR-2721
Auditory brainstem response (ABR); Cancer therapy; Chemo-protection; Cisplatin; Diethyldithiocarbamate; Fosfomycin; Hamster; Neuropathy; Ototoxicity; Sodium thiosulfate (Church, M.W. (86) 195)